

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/824,036 A  
Source: IFW16  
Date Processed by STIC: 05/24/2006

# ***ENTERED***



IFW16

**RAW SEQUENCE LISTING**

DATE: 05/24/2006

PATENT APPLICATION: US/10/824,036A

TIME: 10:05:24

Input Set : N:\RJAVED\10824036.txt

Output Set: N:\CRF4\05242006\J824036A.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.  
 4 McSwiggen, James  
 6 <120> TITLE OF INVENTION: RNA Interference Mediated Treatment of Polyglutamine (PolyQ)  
 Repeat  
 7 Expansion Diseases Using Short Interfering Nucleic Acid (siNA)  
 9 <130> FILE REFERENCE: 04-105 (400.146)  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/824,036A  
 C--> 12 <141> CURRENT FILING DATE: 2004-04-14  
 14 <150> PRIOR APPLICATION NUMBER: US 10/757,803  
 15 <151> PRIOR FILING DATE: 2004-01-14  
 17 <150> PRIOR APPLICATION NUMBER: US 10/720,448  
 18 <151> PRIOR FILING DATE: 2003-11-24  
 20 <150> PRIOR APPLICATION NUMBER: US 10/693,059  
 21 <151> PRIOR FILING DATE: 2003-10-23  
 23 <150> PRIOR APPLICATION NUMBER: US 10/444,853  
 24 <151> PRIOR FILING DATE: 2003-05-23  
 26 <150> PRIOR APPLICATION NUMBER: US 10/652,791  
 27 <151> PRIOR FILING DATE: 2003-03-29  
 29 <150> PRIOR APPLICATION NUMBER: US 10/422,704  
 30 <151> PRIOR FILING DATE: 2003-04-24  
 32 <150> PRIOR APPLICATION NUMBER: US 10/417,012  
 33 <151> PRIOR FILING DATE: 2003-04-16  
 35 <150> PRIOR APPLICATION NUMBER: PCT/US03/05346  
 36 <151> PRIOR FILING DATE: 2003-02-20  
 38 <150> PRIOR APPLICATION NUMBER: PCT/US03/05028  
 39 <151> PRIOR FILING DATE: 2003-02-20  
 41 <150> PRIOR APPLICATION NUMBER: US 60/358,580  
 42 <151> PRIOR FILING DATE: 2002-02-20  
 44 <150> PRIOR APPLICATION NUMBER: US 60/363,124  
 45 <151> PRIOR FILING DATE: 2002-03-11  
 47 <150> PRIOR APPLICATION NUMBER: US 60/386,782  
 48 <151> PRIOR FILING DATE: 2002-06-06  
 50 <150> PRIOR APPLICATION NUMBER: US 60/406,784  
 51 <151> PRIOR FILING DATE: 2002-08-29  
 53 <150> PRIOR APPLICATION NUMBER: US 60/408,378  
 54 <151> PRIOR FILING DATE: 2002-09-05  
 56 <150> PRIOR APPLICATION NUMBER: US 60/409,293  
 57 <151> PRIOR FILING DATE: 2002-09-09  
 59 <150> PRIOR APPLICATION NUMBER: US 60/440,129  
 60 <151> PRIOR FILING DATE: 2003-01-15  
 62 <150> PRIOR APPLICATION NUMBER: US 10/427,160  
 63 <151> PRIOR FILING DATE: 2003-04-30  
 65 <150> PRIOR APPLICATION NUMBER: PCT/US02/15876  
 66 <151> PRIOR FILING DATE: 2002-05-17

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Input Set : N:\RJAVED\10824036.txt

Output Set: N:\CRF4\05242006\J824036A.raw

68 <160> NUMBER OF SEQ ID NOS: 3582  
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72 <210> SEQ ID NO: 1  
73 <211> LENGTH: 19  
74 <212> TYPE: RNA  
75 <213> ORGANISM: Artificial Sequence  
77 <220> FEATURE:  
78 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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87 <213> ORGANISM: Artificial Sequence  
89 <220> FEATURE:  
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99 <213> ORGANISM: Artificial Sequence  
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102 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
104 <400> SEQUENCE: 3  
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111 <213> ORGANISM: Artificial Sequence  
113 <220> FEATURE:  
114 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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117 ucaugcuggc cggcguggc 19  
120 <210> SEQ ID NO: 5  
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122 <212> TYPE: RNA  
123 <213> ORGANISM: Artificial Sequence  
125 <220> FEATURE:  
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129 caugcuggcc ggcguggcc 19  
132 <210> SEQ ID NO: 6  
133 <211> LENGTH: 19  
134 <212> TYPE: RNA  
135 <213> ORGANISM: Artificial Sequence  
137 <220> FEATURE:  
138 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
140 <400> SEQUENCE: 6

## RAW SEQUENCE LISTING

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152 <400> SEQUENCE: 7
153 ugcuggccgg cguggcccc                               19
156 <210> SEQ ID NO: 8
157 <211> LENGTH: 19
158 <212> TYPE: RNA
159 <213> ORGANISM: Artificial Sequence
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164 <400> SEQUENCE: 8
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168 <210> SEQ ID NO: 9
169 <211> LENGTH: 19
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171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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182 <212> TYPE: RNA
183 <213> ORGANISM: Artificial Sequence
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192 <210> SEQ ID NO: 11
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194 <212> TYPE: RNA
195 <213> ORGANISM: Artificial Sequence
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200 <400> SEQUENCE: 11
201 ggccggcgug gccccgccu                               19
204 <210> SEQ ID NO: 12
205 <211> LENGTH: 19
206 <212> TYPE: RNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
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212 <400> SEQUENCE: 12
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Input Set : N:\RJAVED\10824036.txt

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218 <212> TYPE: RNA  
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228 <210> SEQ ID NO: 14  
229 <211> LENGTH: 19  
230 <212> TYPE: RNA  
231 <213> ORGANISM: Artificial Sequence  
233 <220> FEATURE:  
234 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
236 <400> SEQUENCE: 14  
237 cggcguggcc ccgccuccg 19  
240 <210> SEQ ID NO: 15  
241 <211> LENGTH: 19  
242 <212> TYPE: RNA  
243 <213> ORGANISM: Artificial Sequence  
245 <220> FEATURE:  
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248 <400> SEQUENCE: 15  
249 ggcguggcgc ccgccuccg 19  
252 <210> SEQ ID NO: 16  
253 <211> LENGTH: 19  
254 <212> TYPE: RNA  
255 <213> ORGANISM: Artificial Sequence  
257 <220> FEATURE:  
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260 <400> SEQUENCE: 16  
261 gcguggcgc ccgccuccg 19  
264 <210> SEQ ID NO: 17  
265 <211> LENGTH: 19  
266 <212> TYPE: RNA  
267 <213> ORGANISM: Artificial Sequence  
269 <220> FEATURE:  
270 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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276 <210> SEQ ID NO: 18  
277 <211> LENGTH: 19  
278 <212> TYPE: RNA  
279 <213> ORGANISM: Artificial Sequence  
281 <220> FEATURE:  
282 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
284 <400> SEQUENCE: 18  
285 guggcgcgc ccuccgccg 19  
288 <210> SEQ ID NO: 19

## RAW SEQUENCE LISTING

DATE: 05/24/2006

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TIME: 10:05:24

Input Set : N:\RJAVED\10824036.txt

Output Set: N:\CRF4\05242006\J824036A.raw

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290 <212> TYPE: RNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
296 <400> SEQUENCE: 19
297 uggccccgcc uccgccggc 19
300 <210> SEQ ID NO: 20
301 <211> LENGTH: 19
302 <212> TYPE: RNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
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308 <400> SEQUENCE: 20
309 caaucaugcu ggccggcgc 19
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314 <212> TYPE: RNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
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326 <212> TYPE: RNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
332 <400> SEQUENCE: 22
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336 <210> SEQ ID NO: 23
337 <211> LENGTH: 19
338 <212> TYPE: RNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
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344 <400> SEQUENCE: 23
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348 <210> SEQ ID NO: 24
349 <211> LENGTH: 19
350 <212> TYPE: RNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
356 <400> SEQUENCE: 24
357 caugcuggcc ggcgcggcc 19
360 <210> SEQ ID NO: 25
361 <211> LENGTH: 19

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/824,036A

DATE: 05/24/2006  
TIME: 10:05:25

Input Set : N:\RJAVED\10824036.txt  
Output Set: N:\CRF4\05242006\J824036A.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3560; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:3561; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:3562; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:3563; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:3564; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:3565; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:3566; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:3567; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:3568; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

**Invalid Line Length:**

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:3562; Line(s) 44635

## VERIFICATION SUMMARY

DATE: 05/24/2006

PATENT APPLICATION: US/10/824,036A

TIME: 10:05:25

Input Set : N:\RJAVED\10824036.txt

Output Set: N:\CRF4\05242006\J824036A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:44587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3560 after pos.:0  
L:44626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3561 after pos.:0  
L:44659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3562 after pos.:0  
L:44699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3563 after pos.:0  
L:44739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3564 after pos.:0  
L:44779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3565 after pos.:0  
L:44819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3566 after pos.:0  
L:44859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3567 after pos.:0  
L:44899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3568 after pos.:0